HEART FAILURE NATIONAL QUALITY MEASURES

Set Measure ID #	Measure Short Name
HF-1	Discharge Instructions
HF-2	LVF Assessment
HF-3	ACEI for LVSD
HF-4	Adult Smoking Cessation Advice/Counseling

HEART FAILURE DATA ELEMENT LIST

General Data Element Name	Collected for:
*Abstraction Date**	All Records*
*Abstractor Identification (ID) Number**	All Records*
Admission Date	All Records
Admission Source	All Records
Admission Type	All Records
Birthdate	All Records
*Case Identifier[1]**	All Records**
Discharge Date	All Records
Discharge Status	All Records, Used in algorithm for All HF Measures
*First Name**	All Records*
*Health Care Organization Identifier**	All Records, Used in data transmission**
Hispanic Ethnicity	All Records
ICD-9-CM Other Diagnosis Codes	All Records
ICD-9-CM Other Procedure Codes	All Records
ICD-9-CM Other Procedure Dates	All Records
ICD-9-CM Principal Diagnosis Code	All Records
ICD-9-CM Principal Procedure Code	All Records
ICD-9-CM Principal Procedure Date	All Records
*Last Name**	All Records*
Other Patient Case Identifier[2]	All Records
Patient HIC #[2]	All Records
Patient Social Security Number[2]	All Records
Payment Source	All Records
*Performance Measure Identifier**	All Records, Used in data transmission**
*Physician 1**	Optional for All Records*
*Physician 2**	Optional for All Records*
Postal Code	All Records
Provider ID	All Records
Race	All Records
Sex	All Records

Algorithm Output Data Element Name	Collected for:
*Measure Category Assignment**	Used for measure calculation**

*CMS ONLY
**Joint Commission ONLY

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[1] Case Identifier is required for all episodes of care collected for the Joint Commission

[2] These patient identifiers are required to uniquely identify an episode of care for the National Voluntary Hospital Reporting Initiative.

Heart Failure Data Element Name	Collected for:
ACEI Clinical Trial	HF-3
ACEI Prescribed at Discharge	HF-3
Adult Smoking Counseling	HF-4
Adult Smoking History	HF-4
Contraindication to ACEI at Discharge	HF-3
Discharge Instructions Address Activity	HF-1
Discharge Instructions Address Diet	HF-1
Discharge Instructions Address Follow-up	HF-1
Discharge Instructions Address Medications	HF-1
Discharge Instructions Address Symptoms Worsening	HF-1
Discharge Instructions Address Weight Monitoring	HF-1
LVF Assessment	HF-2
LVSD	HF-3

Heart Failure Measure Population

The heart failure (HF) measure population can be initially identified by three data elements that are common to all of the performance measures in the set:

- *Admission Date*
- *Birthdate*
- *ICD-9-CM Principal Diagnosis Code*

An *ICD-9-CM Principal Diagnosis Code* of HF is required for inclusion in the population as identified on Table 2.1 in Appendix A. The patient age must be 18 years of age and older.

The following algorithm should be used to process all records in the HF national quality measure set. Records with a measure category assignment of "B" (not in measure population) will not need to be processed through individual measure algorithms. Records with a measure category assignment of "A" (missing or invalid population data) will also not need to be processed through the individual measure algorithms. However, the total count of records with an "A" category assignment must be added to the "A" count (number of cases with missing/invalid population) for each individual measure. This will provide a total count of all records that could not be processed through each measure due to missing or invalid data. (Please refer to the Missing/Invalid Section of the manual for greater detail).

(Initial population, common to all measures in the HF set)

Start

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ICD-9-CM Principal Diagnosis Code

← Missing / Invalid — **HF A**

→ Not on Table 2.1 — **HF B**

On Table 2.1 ↓

Admission Date

← Missing / Invalid — **HF A**

Valid ↓

Birthdate

← Missing / Invalid — **HF A**

Valid ↓

Patient Age (in years) = *Admission Date* minus *Birthdate*

Note: The algorithm to calculate age must use the month and day portion of admission date and birthdate to yield the most accurate age.

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Patient Age

← age is < 0 days (negative value) — **HF A**

→ age is > or = 0 days and < 18 years — **HF B**

age is > or = 18 years ↓

(Initial population, common to all measures in the HF set)

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